



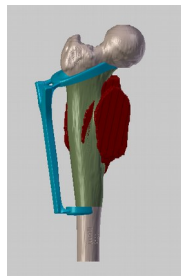
BONE TUMOR

- Surgery date : November 2016
- Surgeon : Dr Raux
- Hospital : Centre Pédiatrique de Lyon
- **Challenge** : Resection of a **large femoral tumor** while **preserving the femoral head**, followed by an **allograft reconstruction**

Femoral tumor resection + allograft reconstruction

P
L
A
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N
I
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G

Beside planning the **bone tumor resection** and designing the associated resection guide, 3D-Side planned the **reconstruction by allograft** and created the adequate guide



Bone tumor resection (**green**)

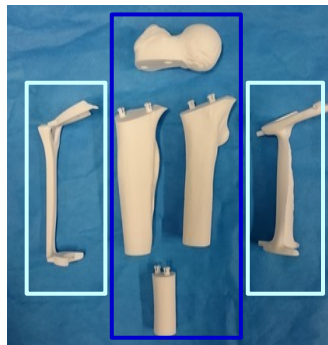


Reconstruction by allograft (**blue**)

P
R
O
D
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C
T
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By means of high-tech 3D-Printing the **anatomical models** of the patient and the allograft and the **resection guides** were produced

Tumor cutting guide



Allograft cutting guide

Anatomical models

S
U
R
G
E
R
Y

The **anatomical models** supported the surgeon during surgery. The **surgical guides** allowed to resect the bone tumor accurately and to extract a perfectly fitting allograft.

